



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

PTO/SB/08A (08-00)

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

Application Number 10/676,869

Filing Date September 30, 2003

First Named Inventor Hassan Herhan et al.

Group Art Unit 3732

Examiner Name

Attorney Docket Number DEP-5172

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear
		Number	Kind Code ²			
AK		4,958,178		Badylak et al.	09/11/1990	
		5,281,422		Badylak et al.	01/25/1994	
		5,922,028		Plouhar et al.	07/13/1999	
		5,984,807		Gan et al.	10/12/1999	
		6,126,682		Sharkey et al.	10/03/2000	
		6,140,452		Felt et al.	10/31/2000	
		6,208,921		Guagliano et al.	03/27/2001	
		6,245,107	B1	Ferree, B.	06/12/2001	
		6,371,990	B1	Ferree, B.	04/16/2002	
		6,425,919	B1	Lambrecht, G.	07/30/2002	
N		6,592,625	B2	Cauthen, J.	07/15/2003	
AK		2002/0007218	A1	Cauthen, J.	01/17/2002	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document mm-dd-yyyy	Pages, Columns, Lines, where relevant passages or relevant figures appear	T ⁶
		Office ³	Number ⁴	KindCode ⁵				
AK		WO	99/04720	A1	Reprogenesis Inc.	02/04/1999		
		WO	99/61084	A1	Advanced Bio Surfaces, Inc.	12/02/1999		
		WO	00/62832	A1	Endospine LTD.	10/26/2000		
		WO	01/10316	A1	Ferree, B.	02/15/2001		
		WO	01/12107	A1	Medenesis, Inc.	02/22/2001		
V		WO	02/45765	A2	Osteotech, Inc.	06/13/2002		
AK		WO	03/051239	A1	Centerpulse Biologics Inc.	06/26/2003		

Examiner Signature	<i>Annette Reeves</i>	Date Considered	6/9/05
--------------------	-----------------------	-----------------	--------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Under the Privacy Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

<i>Application Number</i>	10/676,869
<i>Filing Date</i>	September 30, 2003
<i>First Named Inventor</i>	H. Serhan et al.
<i>Group Art Unit</i>	3738 3132
<i>Examiner Name</i>	
<i>Attorney Docket Number</i>	DEP-5172

U.S. PATENT DOCUMENTS

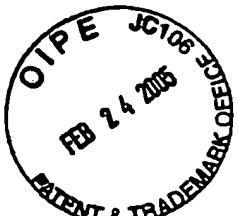
FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	6/9/05
--------------------	--	-----------------	--------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached *Kinds of U.S. Patent Documents*. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE
Do not submit a collection of information unless it displays a valid OMB control number.

Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

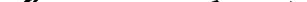
(use as many sheets as necessary)

Sheet 1 of 1

<u>Application Number</u>	10/676869
<u>Filing Date</u>	September 30, 2003
<u>First Named Inventor</u>	H. Serhan
<u>Group Art Unit</u>	3738 3732
<u>Examiner Name</u>	Not Assigned
<u>Attorney Docket Number</u>	DEP5172

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature		Date Considered	6/9/05
-----------------------	---	--------------------	--------

***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U. S. Patent and Trademark



SUBMISSION UNDER MPEP 609 D

Page 1 of 1

SUBMISSION UNDER MPEP 609 D	<i>Application Number</i>	10/676869
	<i>Filing Date</i>	September 30, 2003
	<i>First Named Inventor</i>	H. Serhan
	<i>Group Art Unit</i>	3730 3732
	<i>Examiner Name</i>	Not Assigned
Page 1 of 1	<i>Attorney Docket Number</i>	DEP5172

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Signature	<i>Ametti, Remond</i>	Date Considered	6/9/05
-----------------------	-----------------------	--------------------	--------